

IMPORTANT: This syllabus form should be submitted to OAA (gsbs_academic_affairs@uth.tmc.edu) a week before the start of each semester.

NOTE to STUDENTS: If you need any accommodations related to attending/enrolling in this course, please contact the Graduate School's 504 Coordinator, Dr. Natalie Sirisaengtaksin. We ask that you notify GSBS in advance (preferably at least 3 days before the start of the semester) so we can make appropriate arrangements.

<p>Term and Year: Summer 2025</p> <p>Course Number and Course Title: GS14 1071: Translational Neuroscience</p> <p>Credit Hours: 1</p> <p>Meeting Location: UTHH, McGovern Medical School</p> <p>Building/Room#: MSB 2.103 Except June 23rd, MSB 2.104B</p> <p>WebEx/Zoom Link: In person only</p>	<p>Program Required Course: Yes</p> <p>Approval Code: No</p> <p>Audit Permitted: No</p> <p>Classes Begin: May 19, 2025</p> <p>Classes End: August 11, 2025</p> <p>Final Exam Week:</p>
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Class Meeting Schedule

Day	Time
Mondays	10:00 – 11:30 am
	Except June 23rd, 1:00-2:30 pm in MSB 2.104B

<p>Course Director:</p> <p>Name & Title: Jun Li, PhD</p> <p>Title: Professor</p> <p>Department: Neurology</p> <p>Institution: UTHH</p> <p>Email Address: Jun.Li.3@uth.tmc.edu</p> <p>Contact Number: 713-500-5143</p> <p>Course Co-Director:</p> <p>Name & Title: Joo Eun Jung, PhD</p> <p>Title: Associate Professor</p> <p>Department: Neurology</p> <p>Institution: UTHH</p> <p>Email Address: Joo.Eun.Jung@uth.tmc.edu</p> <p>Contact Number: 713-500-7501</p> <p>Office Hours: 8:00 am-5:00 pm</p>	<p>Basic/Clinical Research Speakers:</p> <ol style="list-style-type: none"> 1. Zhen Xu, PhD UTHH/ Zhen.Xu@uth.tmc.edu 2. Peng R. Chen MD UTHH/ Peng.R.Chen@uth.tmc.edu 3. Giselli Scaini, PharmD, PhD UTHH/ Giselli.Scaini@uth.tmc.edu 4. Jair Soares, MD, PhD UTHH/ Jair.Soares@uth.tmc.edu 5. Tatiana Barichello, PhD UTHH/ Tatiana.Barichello@uth.tmc.edu 6. Rodrigo Hasbun, MD, MPH UTHH/ Rodrigo.Hasbun@uth.tmc.edu 7. Jin Yoon, PhD UTHH/ Jin.Ho.Yoon@uth.tmc.edu 8. Michael Weaver, MD, DFASAM UTHH/ Michael.F.Weaver@uth.tmc.edu
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9. **Gabriel Fries, PhD**
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10. **Machado-Vieira, Rodrigo, MD, PhD**
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11. **John Lincoln, MD, PhD**
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12. **William Lindsey, MD**
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13. **Venugopal Venna, PhD**
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14. **Bharti Manwani, MD, PhD**
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20. **Mya Schiess, MD**
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21. **Andrey Tsvetkov, PhD**
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22. **Erin Furr-Stimming, MD**
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Textbook/Supplemental Reading Materials (if any)

- N/A

Course Objective/s:

At the completion of this course, students will be able to understand general concepts associated with several diseases affecting the central and peripheral nervous system from basic and clinical perspectives. This will allow them to assess these diseases from different angles. Students will also be able to formulate projects with mechanistic and translational value.

Specific Learning Objectives:

1. Understand basic and clinical concepts of diseases affecting the nervous system.
2. Formulate questions involving clinical and molecular importance.
3. Write, and submit for evaluation, an NIH-style specific aims page in any area discussed during the lectures.

Student responsibilities and expectations:

Students are expected to read publications assigned by the speakers (if any) in advance. These publications will be related to the topic and the research the presenters will cover. The students will need to write a one- page-long research proposal related to their own current research, or from any topic discussed during this course. The goal of this assignment is to make the students aware about the potential translational component of their current research projects.

Attendees will also be requested to provide a one-paragraph comment after each session (no later than the Wednesday following the session).

Grading System: **Pass/Fail**

Student Assessment and Grading Criteria:

Percentage	Description
Homework (20 %)	Timely submission of comments
Final Exam (50 %)	Written proposal
Attendance (30 %)	Attendance

CLASS SCHEDULE

Day/Date	Duration (Hour (s) taught by the lecturers)	Lecture Topic	Lecturer/s
5/19/2025	1.5 hrs.	Huntington's Disease	Dr. Erin Furr-Stimming Dr. Andrey Tsvetkov
6/2/2025	1.5 hrs.	Addiction	Dr. Michael Weaver Dr. Jin Yoon
6/9/2025	1.5 hrs.	Meningitis	Dr. Barichello, Tatiana Dr. Rodrigo Hasbun
06/16/2025	1.5 hrs.	Multiple Sclerosis	Dr. John Lincoln Dr. William Lindsey
6/23/2025	1.5 hrs.	Bipolar Disorder	Dr. Rodrigo Machado-Vieira Dr. Gabriel Fries
06/30/2025	1.5 hrs.	Alzheimer's Disease	Dr. Paul Schulz Dr. Rodrigo Morales
7/7/2025	1.5 hrs.	Neurooncological Diseases	Dr. Jay-Jiguang Zhu Dr. Tae Jin Lee
7/14/2025	1.5 hrs.	Depression	Dr. Jair Soares Dr. Giselli Scaini
7/21/2025	1.5 hrs.	Stroke	Dr. Bharti Manwani Dr. Venugopal Venna
7/28/2025	1.5 hrs.	Parkinson's Disease	Dr. Mya Schiess Dr. Mohammad Shahnawaz
8/4/2025	1.5 hrs.	Aneurysm	Dr. Peng R. Chen Dr. Zhen Xu